

SAP Ariba 

# Using FEH ( Forward Error Handling )

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INTERNAL

# FEH - Forward Error Handling

Forward Error Handling (FEH) is a concept that enables errors, detected during the execution of asynchronous services to be processed on the provider side. This concept is implemented using the Error and Conflict Handler Framework (ECH).

## ECH Framework

The ECH Framework is available in the SAP back-end system.

Errors that are handed over to the ECH Framework typically occur during data conversion or business logic processing. ECH enables administrators or even business users on the provider side to follow up on error messages. In SAP Business Suite 7, you can use transaction ECH\_MONI\_SEL to search for and access error cases.

# FEH - Forward Error Handling at CIG

- At CIG it is located in the ARBCI2 package

The screenshot displays the SAP Package Manager interface. On the left, the 'Connectivity Browser' shows the package hierarchy for ARBCI2, with ARBCIG\_FEH2 selected. The main area shows the 'Display Package' view for ARBCIG\_FEH2, with the 'Properties' tab active. The 'Basic Data' section contains the following information:

Field	Value
Short Description	FEH Implementation Framework
Application Component	BNS-ARI-CI-FND
Person Responsible	SAP
Created by	SAP
Created On	06/28/2018
Last Changed By	SAP
Changed on	07/13/2018

The 'Package Properties' section shows the Superpackage as ARBCI2. The 'Transport Attributes' section shows the Transport Layer as SAP and the Software Component as ARBCI2. The 'Record Object Changes in Transport Requests' checkbox is checked.

# Ariba Network Integration Use Cases Examples of FEH

## Inbound Transactions

- Failed Invoices (purchase order opened for edition, cost center blocked, problem at accounting operations, etc).
- Failed Order Confirmation ( IDOC failed by price difference ).
- ASNs, SES, PaymeNow also can be treated.

## Outbound Transactions

- cXML posted to AN and failed temporarily.

# FEH - Example of Invoice received but not processed at SLG1 view

The screenshot displays the SAP SLG1 (Service Log) interface. The main area shows a list of messages with columns for date, time, ID, severity, source, description, and status. A message with ID 005056857B9A1... is highlighted in blue, indicating it is the selected message. Below the list is a toolbar with various icons for navigation and actions. At the bottom, the 'Type Message Text' area shows a message: 'User I850753 already processing Purchase order 4500053215'.

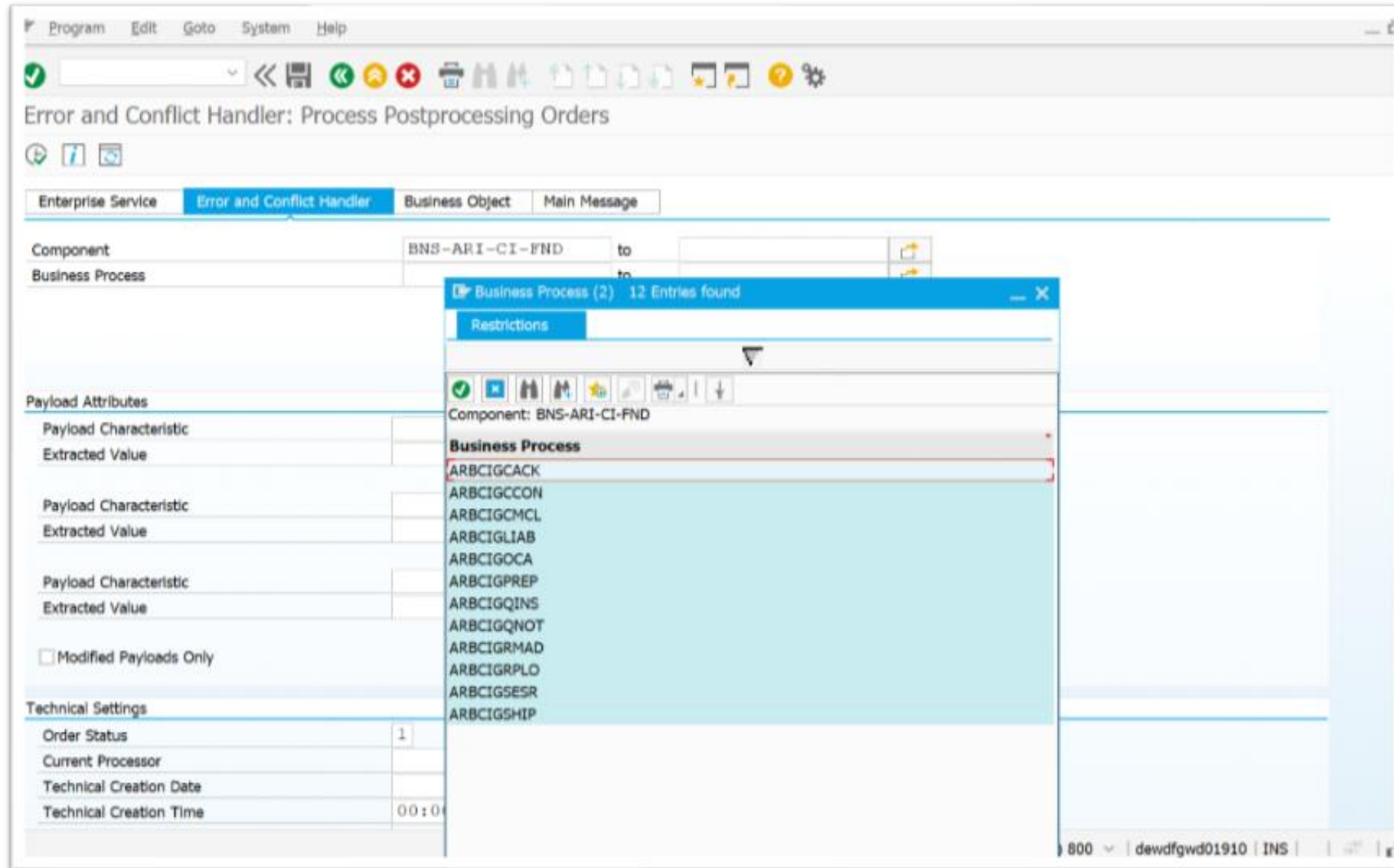
Date	Time	ID	Severity	Source	Description	Status
09.05.2019	11:27:28	I342269	6	005056857B9A1...	Ariba Integration Receiving cXML Messages from Ariba	CL_ARBFND... Dialog proc
09.05.2019	11:28:34	I342269	6	005056857B9A1...	Ariba Integration Receiving cXML Messages from Ariba	CL_ARBFND... Dialog proc
09.05.2019	14:30:44	I854531	4	005056857B9A1...	Ariba Integration Receiving cXML Messages from Ariba	CL_ARBFND... Dialog proc
* Problem class Other						
* Problem class Important						
09.05.2019	14:30:44	I854531	4	005056857B9A1...	Ariba Integration Receiving cXML Messages from Ariba	CL_ARBFND... Dialog proc
* Problem class Other						
* Problem class Important						
09.05.2019	14:31:15	I854531	4	005056857B9A1...	Ariba Integration Receiving cXML Messages from Ariba	CL_ARBFND... Dialog proc
* Problem class Other						

60 | [Icons] | [0] [1] [0] [0]

Type Message Text

[0] User I850753 already processing Purchase order 4500053215

# FEH - ECH\_MONI\_SEL at CIG

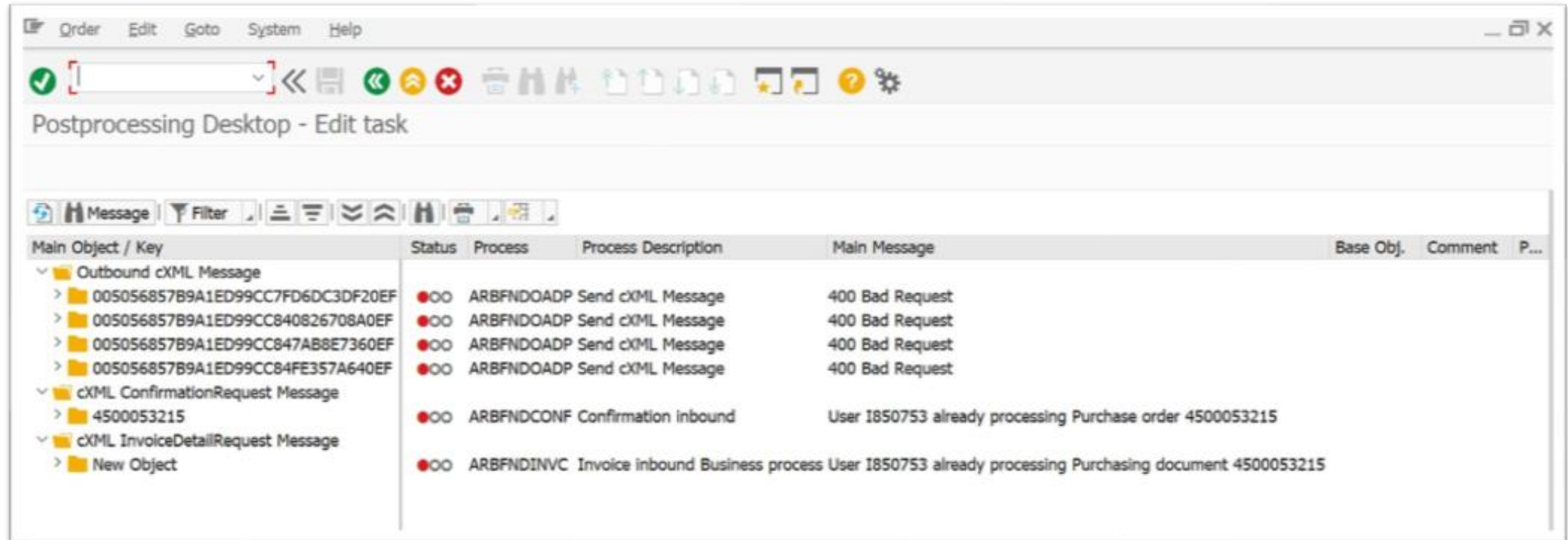


# FEH - ECH\_MONI\_SEL at CIG

The screenshot shows the SAP Postprocessing Desktop interface. The window title is "Postprocessing Desktop - Edit task". The main area displays a list of messages with columns for Main Object / Key, Status, Process, Process Description, Main Message, Base Obj., Comment, Proc. by, and Business Postl..

Main Object / Key	Status	Process	Process Description	Main Message	Base Obj.	Comment	Proc. by	Business Postl..
<ul style="list-style-type: none"> <li>Advance Ship Notice           <ul style="list-style-type: none"> <li>4500018293ASN</li> <li>asn#4500018385</li> <li>asn_new</li> <li>packslip1</li> <li>papapackslip</li> </ul> </li> <li>Service Sheet           <ul style="list-style-type: none"> <li>SES-1</li> <li>SES18304</li> <li>SES3</li> <li>SES311</li> <li>SES311-1</li> <li>SES312</li> <li>SES_TEST121</li> <li>ses1830</li> <li>ses18336</li> </ul> </li> </ul>	●○○	ARBCIGSHIP	Advance Ship Notice	Actual Delivery Date in AN is mandatory.				01/09/2019
	●○○	ARBCIGSHIP	Advance Ship Notice	Inbound Delivery 181000113 already exists for ASN reference asn#4500018385				02/04/2019
	●○○	ARBCIGSHIP	Advance Ship Notice	Inbound delivery could not be determined uniquely				01/17/2019
	●○○	ARBCIGSHIP	Advance Ship Notice	Actual Delivery Date in AN is mandatory.				01/22/2019
	●○○	ARBCIGSHIP	Advance Ship Notice	Actual Delivery Date in AN is mandatory.				01/22/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/31/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/14/2019
	●○○	ARBCIGSES	Service Sheet	Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order				01/16/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/15/2019
	●○○	ARBCIGSES	Service Sheet	Please enter quantity in line test2				01/15/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/15/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/21/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/15/2019
	●○○	ARBCIGSES	Service Sheet	No service items selected				01/18/2019

# FEH - ECH\_MONI\_SEL finding the Failed Invoice with issue



The screenshot shows the SAP Message Monitor interface. The title bar reads "Postprocessing Desktop - Edit task". The main area displays a table of messages with the following columns: Main Object / Key, Status, Process, Process Description, Main Message, Base Obj., Comment, and P... The table contains several rows of failed messages, all with a status of "Error" (red circle with two exclamation marks).

Main Object / Key	Status	Process	Process Description	Main Message	Base Obj.	Comment	P...
Outbound cXML Message							
> 005056857B9A1ED99CC7FD6DC3DF20EF	●●	ARBFNDOADP	Send cXML Message	400 Bad Request			
> 005056857B9A1ED99CC840826708A0EF	●●	ARBFNDOADP	Send cXML Message	400 Bad Request			
> 005056857B9A1ED99CC847AB8E7360EF	●●	ARBFNDOADP	Send cXML Message	400 Bad Request			
> 005056857B9A1ED99CC84FE357A640EF	●●	ARBFNDOADP	Send cXML Message	400 Bad Request			
cXML ConfirmationRequest Message							
> 4500053215	●●	ARBFNDCONF	Confirmation inbound	User I850753 already processing Purchase order 4500053215			
cXML InvoiceDetailRequest Message							
> New Object	●●	ARBFNDINVC	Invoice inbound Business process	User I850753 already processing Purchasing document 4500053215			

# FEH - Click on process and decide what to do (Repeat, Confirm or Discard)

The screenshot displays the SAP Postprocessing Desktop interface for editing an order. The window title is "Postprocessing Desktop - Edit Order: Details". The main menu includes "Order", "Edit", "Goto", "Extras", "System", and "Help". A toolbar at the top contains various icons for navigation and actions. Below the menu, there are buttons for "Process", "Main Object", "Base Object", "Repeat", "Confirm", and "Discard".

The "Header data" section contains the following information:

Main Object	cXML InvoiceDetailRequest Message New Object
Main Message	User I850753 already processing Purchasing document 4500053215
Process Descr.	Invoice inbound Business process
Comments	
Order Status	2 In Process
Proc. by	I850753

The "Order Details" section is expanded to show "Message Data". It includes a "Processing Methods" panel on the left with "Display" and "Change" links. The "Message ID" is 005056857B9A1ED99CCD846A902940EF. The "Payload Attributes" table is as follows:

Attribute Description	Extracted Value	Value Description

At the bottom, a "Type Message Text" section shows a red error message: "User I850753 already processing Purchasing document 4500053215". The SAP logo and system information (EP7 (5) 800, mo-ea6d8271d, INS) are visible at the bottom of the window.

# FEH – Example of Discard

The screenshot displays the SAP Postprocessing Desktop interface for 'Display Order: Details'. The main message text is 'User I850753 already processing Purchasing document 4500053215'. A red 'Discard' button is visible next to the message text. The 'Order Status' is '3 Completed' and the 'Proc. by' is 'I850753'. The 'Comments' field contains 'REJECTED BY OPEN PURCHASING DOCUMENT'. The 'Message ID' is '005056857B9A1ED99CCDB700217820EF'. The 'Type Message Text' table shows the message text and the 'Discard' action performed on 09.05.2019 at 15:24:49. The status bar at the bottom indicates 'Action successfully completed'.

Header data	
Main Object	cXML InvoiceDetailRequest Message New Object
Main Message	User I850753 already processing Purchasing document 4500053215
Process Descr.	Invoice inbound Business process
Comments	REJECTED BY OPEN PURCHASING DOCUMENT
Order Status	3 Completed
Proc. by	I850753

Order Details	
Message Data	
Processing Methods	Message ID: 005056857B9A1ED99CCDB700217820EF
Description	Payload Attributes
<a href="#">Display</a>	Attribute Description   Extracted Value   Value Description
<a href="#">Change</a>	

Type	Message Text	Details	PPO
●	User I850753 already processing Purchasing document 4500053215		
■	***** Discard on 09.05.2019 at 15:24:49*****		

# FEH - Message SUR sent to AN

The screenshot displays the SAP Log Viewer interface. The main window shows a list of log entries with columns for Date/Time/User, Nu..., External ID, Object txt, Sub-object text, Tran, Program, Mode, and Log number. The selected entry is:

Date/Time/User	Nu...	External ID	Object txt	Sub-object text	Tran	Program	Mode	Log number
09.05.2019 15:00:17 I850753	8	005056857B9A1...	Ariba Integration	Sending cXML Me...		CL_ARBFND...	Dialog proce...	00000000000012

The details pane below shows the following message text:

- cXML message Payload ID: 005056857B9A1ED99CCD64F4431240EF
- cXML message StatusUpdateRequest has been forwarded for transmission

# FEH – Invoice Failed & Rejected at AN

History				
Status	Comments	Changed By	Date and Time	Stack Tr
Sent		Supplier	9 May 2019 12:18:25 PM	
	The document is ready to be picked up by the recipient.	CommunityWeb-125001089	9 May 2019 12:18:26 PM	
	Comments from BI SAP AddOn - TEST: The document was added to the pending queue for download.	TXNDocSupplierApp-124994087	9 May 2019 12:18:26 PM	
	The document has been transferred to the next integration point.	CommunityWeb-125001089	9 May 2019 12:18:26 PM	
Acknowledged		Supplier	9 May 2019 12:20:49 PM	
	Comments from BI SAP AddOn - TEST:	TXNDocSupplierApp-124995095	9 May 2019 12:20:49 PM	
	Comments from BI SAP AddOn - TEST:	TXNDocSupplierApp-125033092	9 May 2019 12:21:54 PM	
	The invoice status has been successfully updated to Rejected by BI SAP AddOn - TEST. Description:	TXNDocSupplierApp-125032107	9 May 2019 12:24:50 PM	
Failed		Supplier	9 May 2019 12:24:50 PM	

# FEH – Example of SES Failed at ECC

The screenshot displays the SAP Postprocessing Desktop interface for editing an order. The main message indicates a failure: "Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order". The order status is "2 In Process" and the error category is "PRE Processing Error".

**Header data**

Main Object	Service Sheet SES3		
Main Message	<span style="color: red;">●</span>	Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order	
Process Descr.	Service Sheet		
Comments			
Order Status	2 In Process	Proc. by	I050753

**Order Details**

Order Data | Additional Data | Administrative Data | Resubmission data

Posting Date	01/16/2019	Mode	3 Manual and Automatic Processing Permitted
Created On	01/16/2019	Order Closing Typ	0 Not yet Completed
Processing Permitted Fr.		Error Category	PRE Processing Error
Priority	5 Priority 5 (Medi.)		

**Service Sheet SES3** | Message Data

Type Message Text	LTxt PPO
<span style="color: red;">●</span> Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order	<span style="color: yellow;">?</span>

# FEH – Buyer press Discard

The screenshot shows the SAP Postprocessing Desktop interface for editing an order. The window title is "Postprocessing Desktop - Edit Order: Details". The main area displays "Header data" for a "Service Sheet SES3". A red error message is visible: "Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order". The order status is "2 In Process" and the processor is "I850753". Below this, the "Order Details" section shows various fields like "Posting Date", "Created On", "Mode", "Order Closing Typ", "Error Category", and "Priority". The "Error Category" is "PRE Processing Error". At the bottom, the "Message Data" section shows the error message again with a "Discard" button next to it. The SAP logo and system information are visible at the bottom of the window.

Order Order Edit Goto Extras System Help

Postprocessing Desktop - Edit Order: Details

Process Main Object Base Object Repeat Confirm Discard

Header data Error Cannot be Corrected (Shift+F2)

Main Object Service Sheet SES3

Main Message ● Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order

Process Descr. Service Sheet

Comments

Order Status 2 In Process Proc. by I850753

Order Details

Order Data Additional Data Administrative Data Resubmission data

Posting Date 01/16/2019 Mode 3 Manual and Automatic Processing Permitted

Created On 01/16/2019 Order Closing Typ 0 Not yet Completed

Processing Permitted Fr. Error Category PRE Processing Error

Priority 5 Priority 5 (Medi. v)

Service Sheet SES3 Message Data

Type Message Text LTxt PPO ...

● Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order

SAP ED7 (2) 800 dewdfgwd01910 | INS

# FEH – FEH sends SUR to AN

Postprocessing Desktop - Display Order: Details

Process Main Object Base Object Repeat Confirm Discard

**Header data**

Main Object	Service Sheet SES3		
Main Message	Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order		
Process Descr.	Service Sheet		
Comments	Wrong quantity in SES		
Order Status	3 Completed	Proc. by	I850753

**Order Details**

Order Data Additional Data Administrative Data Resubmission data

Posting Date	01/16/2019	Mode	3 Manual and Automatic Processing Permitted
Created On	01/16/2019	Order Closing Typ	3 Manual 'Repeat', 'Confirm', or 'Discard'
Processing Permitted Fr.		Error Category	PRE Processing Error
Priority	5 Priority 5 (Medi. )		

**Service Sheet SES3** Message Data

Type Message Text	LTxt	PPO
Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order		
***** Discard on 06/04/2019 at 19:31:20*****		

# FEH – FEH sends SUR to AN

Web Service Utilities: Message Properties

Persistence ID: FA163E9DD6AD1ED9A1DDD1C3A45321  
Version: 000  
Message Body

Adapter Type: PLAINSOAP Message ID: FA163E9DD6AD1ED9A1DDD1C3A453011A

Exp	Name	Value
	-nm:DocumentStatusUpdateRequest	
->	xmns:nm	http://sap.com/xi/ARBCIG1
->	xmns:prx	urn:sap.com:proxy:ED7:/1SAI/TASD5881051FD7A1397F5CC:740
--	ANPayloadID	1547606830558-797108232242612639@10.162.97.168
--	ERPDocumentNo	SES3
--	DocumentNo	SES3
--	DocumentType	ServiceEntrySheetRequest
--	LogicalSystem	ED7CLNT800
--	Vendor	000009010
--	Date	2019-06-04
--	Time	19:31:20
--	Status	REJECTED
--	TimeZone	CET
--	Comment	
---	Comment	Service test1: quantity 20,000 exceeds quantity 10,000 in purchase order
---	languageCode	E

SAP | ED7 (2) 800 | dewdfawd01910 | INS



# Thank you



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